

M.D. DEGREE EXAMINATION

BRANCH XXI – IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION

**PAPER III – BLOOD DONOR ORGANISATION AND MANAGEMENT,
TECHNOLOGY OF COMPONENTS AND CLINICAL HAEMOTHERAPY**

Q.P.Code: 202098

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A primi gravida was brought to labor room after a sudden blood loss estimated to be about 2 liters. The vital signs show tachycardia and BP is 100/70 mmHg. The clinician said that when he tried to collect blood for testing, there was some increase in ooze from the venipuncture site. How will you manage the transfusion requirement for this patient?
2. What are the factors that contribute to pre-transfusion testing? What is electronic cross-matching and how is it different from conventional cross-match?

II. Write notes on:

(10 x 7 = 70)

1. Methods of HLA typing.
2. Red cell salvage.
3. Ethical issues in transfusion medicine.
4. Write briefly about management of neonatal thrombocytopenia.
5. Pathogen reduction strategies for red cells.
6. Post transfusion purpura.
7. Management of inadvertent D positive transfusion.
8. Duffy group and its interaction with HIV and Malaria.
9. Indicators of quality in a blood transfusion practice.
10. Leapfrog technique in autologous deposits.
